

MCA DEGREE EXAMINATIONS: MAY / JUNE 2013

Fifth Semester

MASTER OF COMPUTER APPLICATIONS

MCA519: Software Project Management.

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. What is software project management?
2. Differentiate between task and activity.
3. Identify the needs of project portfolio models.
4. What is project planning?
5. What are the 3 models of COCOMO II?
6. What are the disadvantages of LOC?
7. What is meant by soft dependency?
8. Expand PERT and CRM.
9. Define software reliability.
10. What is risk avoidance?

PART B (5 x 16 = 80 Marks)

11. a) Explain SEI CMM levels 3 in detail.

(OR)

- b) (i) Discuss the water fall model with neat sketch. (8)
(ii) Explain the product management skills. (8)

12. a) (i) Explain various classes of product domain with examples. (8)
(ii) Explain in detail about Software project management plan. (8)

(OR)

- b) (i) What is the work break down structure. Explain with neat sketch. (8)
(ii) Explain various approaches in building a work break down structure. (8)

13. a) (i) Explain the various risks in estimation. (8)
(ii) Explain organizational planning in detail. (8)

(OR)

- b) (i) Explain the advantages and disadvantages of SLIM model (6)
- (ii) Explain the feature point analysis in detail. (10)

- 14. a) (i) Explain the major characteristics of an organizations. (8)
- (ii) Explain in detail about project expediter organization. (8)

(OR)

- b) (i) Explain the critical chain scheduling in detail. (8)
- (ii) Explain the resource leveling in detail. (8)

- 15. a) Explain any two software reliability models in detail.

(OR)

- b) (i) Explain various methods of developing and controlling the risks (8)
- (ii) Explain various risk categories. (8)
